California Department of Conservation

FARMLAND MAPPING AND MONITORING PROGRAM

SOIL CANDIDATE LISTING

for

PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE

FRESNO COUNTY

U.S. Department of Agriculture, Natural Resources Conservation Service, soil surveys for Fresno County include:

Soil Survey of Eastern Fresno Area, October 1971

Soil Survey of Fresno County, Western Part, July 2002

Beginning in 2000, SSURGO digital soil information has been incorporated into the Fresno County Important Farmland Map. Prior versions of the map have not been modified.

The SSURGO data includes Eastern Fresno Area (published 2/13/2006) and Fresno County, Western Part (published 10/18/2005). The digital surveys contain additional soil units beyond those published in the original paper surveys. Soils on the Prime and Statewide lists that only occur in the SSURGO data are appended to this list in italics.

For more information on the NRCS SSURGO data, please see: http://soils.usda.gov/survey/geography/ssurgo/

7/12/95, updated 4/15/2010

FRESNO COUNTY
PRIME FARMLAND SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE EASTERN FRESNO AREA AND FRESNO COUNTY, WESTERN PART, SOIL SURVEYS.

EASTERN FRESNO AREA

Symbol	Name
AlB	Aiken loam, 3 to 9 percent slopes
AoA	Atwater loamy sand, 0 to 3 percent slopes
AoB	Atwater loamy sand, 3 to 9 percent slopes
ArA	Atwater sandy loam, 0 to 3 percent slopes
ArB	Atwater sandy loam, 3 to 9 percent slopes
AtA	Atwater sandy loam, moderately deep, 0 to 3 percent slopes
AuB	Auberry coarse sandy loam, 3 to 9 percent slopes
Bn	Borden loam
Bs	Borden loam, saline-alkali
Bt	Borden loam, moderately deep
Cl#	Chino sandy loam
Cm*	Chino sandy loam, saline-alkali
Cn#	Chino fine sandy loam
Co*	Chino fine sandy loam, saline-alkali
Cr#	Chino loam
Cs*	Chino loam, saline-alkali

Symbol	Name
CtA	Chualar sandy loam, 0 to 3 percent slopes
CtB	Chualar sandy loam, 3 to 9 percent slopes
DhA	Delhi loamy sand, 0 to 3 percent slopes
DhB	Delhi loamy sand, 3 to 9 percent slopes
DlA	Delhi loamy sand, moderately deep, 0 to 3 percent slopes
Fm#	Foster sandy loam
Fn#	Foster loam
Fo*	Foster loam, saline-alkali
Ga#	Grangeville sandy loam
Gd*	Grangeville sandy loam, saline-alkali
Gf#	Grangeville fine sandy loam
Gg*	Grangeville fine sandy loam, saline-alkali
Gh#	Grangeville fine sandy loam, water table
Gk*	Grangeville fine sandy loam, water table, saline-alkali
GsA	Greenfield coarse sandy loam, 0 to 3 percent slopes
GtA	Greenfield sandy loam, 0 to 3 percent slopes
GtB	Greenfield sandy loam, 3 to 9 percent slopes
Ha	Hanford coarse sandy loam
Hc	Hanford sandy loam
Hd	Hanford sandy loam, benches

Symbol	Name
Hg	Hanford sandy loam, silty substratum
Hh	Hanford sandy loam, clay loam substratum
Hl	Hanford gravelly sandy loam
Hm	Hanford fine sandy loam
Ho	Hanford fine sandy loam, silty substratum
Hp	Hanford fine sandy loam, clay loam substratum
Hsa	Hesperia coarse sandy loam
Hsc*	Hesperia coarse sandy loam, saline-alkali
Hsd	Hesperia sandy loam
Hse*	Hesperia sandy loam, saline-alkali
Hsm	Hesperia sandy loam, moderately deep
Hsn*	Hesperia sandy loam, moderately deep, saline-alkali
Hsr	Hesperia fine sandy loam
Hss*	Hesperia fine sandy loam, saline-alkali
Hst	Hesperia fine sandy loam, moderately deep
Hsy*	Hesperia fine sandy loam, moderately deep, saline-alkali
Hu#	Hildreth clay
HwA	Honcut fine sandy loam, 0 to 3 percent slopes
HwB	Honcut fine sandy loam, 3 to 9 percent slopes
LbB	Los Robles sandy loam, 2 to 9 percent slopes
LmA	Los Robles loam, 0 to 3 percent slopes

Symbol	Name
LmB	Los Robles loam, 3 to 9 percent slopes
LoA	Los Robles clay loam, 0 to 3 percent slopes
Mf#	Merced clay loam
Mg*	Merced clay loam, slightly saline
Mh#	Merced clay
Mk*	Merced clay, slightly saline
Pa	Pachappa loam
Pd	Pachappa loam, moderately deep
PfB#	Piper sandy loam, 0 to 9 percent slopes
PgB#	Piper fine sandy loam, 0 to 9 percent slopes
PxA	Porterville clay, 0 to 3 percent slopes
Ra	Ramona sandy loam
Rb	Ramona sandy loam, hard substratum
Rc	Ramona loam
Rd	Ramona loam, gravelly substratum
Re	Ramona loam, hard substratum
Sb	Sandy alluvial land, leveled
Ta#	Temple loam
Tb*	Temple loam, saline
Td#	Temple clay loam
Te*	Temple clay loam, saline

Symbol	Name
Tg[#]	Temple clay
VaA	Visalia sandy loam, 0 to 3 percent slopes
VaB	Visalia sandy loam, 3 to 9 percent slopes
VdA	Visalia sandy loam, clay loam substratum, 0 to 3 percent slopes
VeA	Visalia loam, 0 to 3 percent slopes
100tc	*Auberry sandy loam, 5 to 9 percent slopes*
120ki	*Grangeville fine sandy loam, partially drained*
131ki	*Kimberlina fine sandy loam, sandy substratum*
143tw[λ]	*Yettem sandy loam, 0 to 2 percent slopes*
147ki	*Nord fine sandy loam*
174ki	*Wasco sandy loam, 0 to 5 percent slopes*
176tc	*Yettem sandy loam, 0 to 2 percent slopes*
177tc	*Yettem sandy loam, 2 to 5 percent slopes*

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* This unit is Prime Farmland only if the conductivity of the saturation extract is lowered to less than 4 mmhos/cm and, if applicable, the exchangeable sodium % is lowered to less than 15.

[λ] Prime Farmland if either protected from flooding or not frequently flooded during the growing season.

[#] Prime Farmland if drained.

FRESNO COUNTY, WESTERN PART

Symbol	Name
115	Bolfar loam, drained, 0 to 1 percent slopes
311	Bisgani sandy loam, drained, 0 to 1 percent slopes
320	El Nido sandy loam, drained, 0 to 1 percent slopes
325	Palazzo sandy loam, drained, 0 to 1 percent slopes
406	Guijarral sandy loam, 2 to 5 percent slopes
412	Yribarren clay loam, 0 to 2 percent slopes
414	Dos Palos clay loam, drained, 0 to 1 percent slopes
415	Dos Palos clay, drained, 0 to 1 percent slopes
425	Kimberlina sandy loam, 0 to 2 percent slopes
426	Kimberlina sandy loam, 2 to 5 percent slopes
436	Panoche loam, 0 to 2 percent slopes
437	Panoche sandy loam, 0 to 2 percent slopes
438	Panoche loam, 2 to 5 percent slopes
442	Panoche clay loam, 0 to 2 percent slopes
445	Excelsior sandy loam, 0 to 2 percent slopes
447	Excelsior sandy loam, sandy substratum, 0 to 2 percent slopes
448	Excelsior loamy sand, sandy substratum, 0 to 1 percent slopes, eroded
451	Milham sandy loam, 0 to 2 percent slopes
452	Milham sandy loam, 2 to 5 percent slopes
454*	Polvadero sandy loam, 0 to 2 percent slopes

Symbol	Name
455*	Polvadero sandy loam, 2 to 5 percent slopes
459	Ciervo clay, 0 to 2 percent slopes
466	Paver clay loam, 0 to 2 percent slopes
468	Deldota clay, partially drained, 0 to 1 percent slopes
474	Westhaven loam, 0 to 2 percent slopes
477	Westhaven clay loam, 0 to 2 percent slopes
478	Cerini sandy loam, 0 to 2 percent slopes
479	Cerini clay loam, 0 to 2 percent slopes
481	Cerini clay loam, 2 to 5 percent slopes
488	Wasco sandy loam, 0 to 2 percent slopes
489	Wasco sandy loam, 2 to 5 percent slopes
490	Cerini sandy loam, subsided, 0 to 5 percent slopes
491	Cerini clay loam, subsided, 0 to 5 percent slopes
492	Panoche loam, subsided, 0 to 5 percent slopes
493	Panoche clay loam, subsided, 0 to 5 percent slopes
823	Ayar clay, 5 to 8 percent slopes
849	Chaqua loam, 2 to 8 percent slopes
851	Los Banos clay loam, 0 to 2 percent slopes
852	Los Banos clay loam, 2 to 8 percent slopes
853	Los Banos-Pleito complex, 2 to 8 percent slopes
863	Vernalis loam, 0 to 2 percent slopes

Symbol	Name
872	Vernalis loam, 2 to 5 percent slopes

* Prime Farmland if reclaimed of excess salts and sodium.

FRESNO COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR FARMLAND OF STATEWIDE IMPORTANCE AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE EASTERN FRESNO AREA AND FRESNO COUNTY, WESTERN PART, SOIL SURVEYS.

EASTERN FRESNO AREA

Symbol	Name
AaA	Academy loam, 0 to 3 percent slopes
AaB	Academy loam, 3 to 9 percent slopes
An	Alamo clay
ApA	Atwater loamy sand, moderately deep, 0 to 3 percent slopes
AsA	Atwater sandy loam, clay substratum, 0 to 3 percent slopes
AuB2	Auberry coarse sandy loam, 3 to 9 percent slopes, eroded
AuC	Auberry coarse sandy loam, 9 to 15 percent slopes
AuC2	Auberry coarse sandy loam, 9 to 15 percent slopes, eroded
BcC	Blasingame loam, 3 to 15 percent slopes
Bu	Borden loam, moderately deep, saline-alkali
Ca	Cajon loamy coarse sand
Cb	Cajon loamy coarse sand, saline-alkali
Cc	Cajon coarse sandy loam
Cd	Cajon coarse sandy loam, saline-alkali
Ce	Cajon coarse sandy loam, moderately deep, saline-alkali

Symbol	Name
CfA	Calhi loamy sand, 0 to 3 percent slopes
CfB	Calhi loamy sand, 3 to 9 percent slopes
CgA	Calhi loamy sand, moderately deep, 0 to 3 percent slopes
ChA	Centerville clay, 0 to 3 percent slopes
ChC	Centerville clay, 3 to 15 percent slopes
Cp	Chino fine sandy loam, moderately deep, saline-alkali
CuC	Cibo clay, 3 to 15 percent slopes
Dm	Dello loamy sand
Dn	Dello sandy loam
Ex	Exeter loam
FaB	Fallbrook sandy loam, 3 to 9 percent slopes
Fp	Foster loam, moderately deep
Fr	Foster loam, moderately deep, saline-alkali
Ge	Grangeville sandy loam, sandy substratum
Gl	Grangeville fine sandy loam, gravelly substratum
Gm	Grangeville fine sandy loam, sandy substratum
Gn	Grangeville fine sandy loam, hard substratum
Go	Grangeville fine sandy loam, hard substratum, saline-alkali
Gp	Grangeville soils, channeled
GuA	Greenfield sandy loam, moderately deep, 0 to 3 percent slopes

Symbol	Name
Hb	Hanford coarse sandy loam, hard substratum
He	Hanford sandy loam, gravelly substratum
Hf	Hanford sandy loam, sandy substratum
Hk	Hanford sandy loam, hard substratum
Hn	Hanford fine sandy loam, gravelly substratum
Hr	Hanford fine sandy loam, hard substratum
HyA	Honcut fine sandy loam, gravelly substratum, 0 to 3 percent slopes
HzA	Honcut fine sandy loam, hard substratum, 0 to 3 percent slopes
KeC	Keefers loam, 3 to 15 percent slopes
LgB	Los Robles sandy loam, gravelly substratum, 2 to 9 percent slopes
LnB	Los Robles loam, hard substratum, 2 to 9 percent slopes
Ma	Madera sandy loam
Mc	Madera loam
Md	Madera loam, saline-alkali
Me	Madera clay loam
Ml	Merced clay, moderately saline
Mm	Merced clay, saline-alkali
MpC	Montpellier coarse sandy loam, 9 to 15 percent slopes
MtB	Mt. Olive clay, 3 to 9 percent slopes
MtC	Mt. Olive clay, 9 to 15 percent slopes

Symbol	Name
No*	Nord loam
Ns*	Nord loam, saline-alkali
Pc	Pachappa loam, saline-alkali
Pe	Pachappa loam, moderately deep, saline-alkali
PmB	Pollasky sandy loam, 2 to 9 percent slopes
PnB	Pollasky fine sandy loam, 2 to 9 percent slopes
Pr*	Pond sandy loam
Ps*	Pond sandy loam, moderately deep
Pt*	Pond fine sandy loam
Pu*	Pond fine sandy loam, moderately deep
Pv*	Pond loam
Pw*	Pond loam, moderately deep
PxC	Porterville clay, 3 to 15 percent slopes
ScA	San Joaquin sandy loam, 0 to 3 percent slopes
SeA	San Joaquin loam, 0 to 3 percent slopes
SfA	San Joaquin loam, gravelly substratum, 0 to 3 percent slopes
ShB	San Joaquin-Alamo complex, 3 to 9 percent slopes
SkB	Sesame sandy loam, 3 to 9 percent slopes
SlB	Sesame loam, 3 to 9 percent slopes
Tc*	Temple loam, saline-alkali

Symbol	Name
Tf*	Temple clay loam, saline-alkali
Tr*	Traver sandy loam
Ts*	Traver sandy loam, moderately deep
Tt*	Traver fine sandy loam
Tu*	Traver fine sandy loam, moderately deep
TvC	Tretten fine sandy loam, 3 to 15 percent slopes
TxC	Trimmer loam, 3 to 15 percent slopes
TzbA	Tujunga loamy sand, 0 to 3 percent slopes
TzbB	Tujunga loamy sand, 3 to 9 percent slopes
WhB	Wisheylu loam, 3 to 9 percent slopes
Ws	Wunjey fine sandy loam
Wu	Wunjey silt loam
YkA	Yokohl loam, moderately deep, 0 to 3 percent slopes
YkB	Yokohl loam, moderately deep, 3 to 9 percent slopes
YmA	Yokohl clay loam, moderately deep, 0 to 3 percent slopes
104ki	*Cajon sandy loam*
105tw	*Calgro-Calgro, saline-sodic complex, 0 to 2 percent slopes*
112ki	*Excelsior sandy loam*
121ki	*Grangeville fine sandy loam, saline-alkali, partially drained*
148ki	*Nord fine sandy loam, saline-alkali*

Symbol	Name
282wf	*Tachi clay, 0 to 1 percent slopes*

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* This unit is Farmland of Statewide Importance only if the pH is lowered below 9.0.

FRESNO COUNTY, WESTERN PART

Symbol	Name
101	Armona loam, partially drained, 0 to 1 percent slopes
120	Alta Slough clay loam, 0 to 1 percent slopes
130	Gepford clay, 0 to 1 percent slopes
282	Tachi clay, 0 to 1 percent slopes
285	Tranquillity-Tranquillity, wet, complex, saline-sodic, 0 to 1 percent slopes
286	Tranquillity clay, saline-sodic, wet, 0 to 1 percent slopes
404	Milham-Guijarral association, 5 to 15 percent slopes
405	Polvadero-Guijarral complex, 5 to 15 percent slopes
434	Lethent clay loam, wet, 0 to 1 percent slopes
435	Lethent clay loam, 0 to 1 percent slopes
453	Milham sandy loam, 5 to 9 percent slopes
461	Ciervo clay, saline-sodic, wet, 0 to 1 percent slopes
462	Ciervo, wet-Ciervo complex, saline-sodic, 0 to 1 percent slopes

Symbol	Name
470	Chateau clay, partially drained, 0 to 1 percent slopes
472	Wekoda clay, partially drained, 0 to 1 percent slopes
475	Posochanet clay loam, saline-sodic, wet, 0 to 1 percent slopes
476	Posochanet clay loam, saline-sodic, 0 to 2 percent slopes
480	Calflax clay loam, saline-sodic, 0 to 2 percent slopes
482	Calflax clay loam, saline-sodic, wet, 0 to 1 percent slopes